Cooling Fan

Grade Levels:

4-6

Question:

Does a fan really cool the air?

Possible Hypotheses:

A fan does/does not cool the air.

Materials:

Portable Fan Thermometer

Procedure:

- 1. On a hot day, place a portable fan on a table. Use a thermometer to record the temperature in the room.
- 2. Turn the fan on and hold the thermometer three feet from it so that the air blows on the thermometer. After one minute, record the temperature.
- 3. Hold the thermometer two feet from the fan, then one foot. Record the temperature.

Analysis and Conclusion:

Does a fan actually cool the air? Why does the air feel cooler?



